AH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd

DATE FILED 4-27-92

LAND: FEE & PATENTED X STATE LEASE NO. _____ FEDERAL LEASE NO. _____ INDIAN _____

DRILLING APPROVED 6-23-92 (CAUSE NO. 139-42)

SPUDDED IN _____

COMPLETED _____ PUT TO PRODUCING _____

INITIAL PRODUCTION _____

GRAVITY API _____

GOR _____

PRODUCING ZONES _____

TOTAL DEPTH _____

WELL ELEVATION _____

DATE ABANDONED WIA - 9.1.94

FIELD BLUEBELL

UNIT _____

COUNTY DUCHESNE

WELL NO MISS "A" 2-15A1 API NO. 43-013-31360

LOCATION 1473' FNL FT. FROM (N.) (S.) LINE 1115' FWL FT. FROM (E.) (W.) LINE SW NW 1/4 - 1/4 SEC. 15

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
				1S	1W	15	BADGER OIL CORPORATION

Form OGC-1a

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No.: FEE/FEE

6. If Indian, Allottee or Tribe Name:

1a. Type of Work: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well: Oil Well [X] Gas Well [ ] Other — Single Zone [ ] Multiple Zone [X]

7. Unit Agreement Name: 14-20-H62-3860

2. Name of Operator: Badger Oil Corporation

8. Farm or Lease Name: Miss "A"

3. Address of Operator: C/O Applied Drilling Services, Inc. Rt. 3 Box 3010 Roosevelt, Utah 84066

9. Well No.: 2-15A1

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface: 1,473' FNL 1,115' FWL ~~NW NW~~ SWNW
At proposed prod. zone: same

10. Field and Pool, or Wildcat: Bluebell 065

11. Sec., T., R., M., or Blk. and Survey or Area: Section 15, T1S, R1W

14. Distance in miles and direction from nearest town or post office*: Approximately 8 miles Northeast of Roosevelt, Utah

12. County or Parrish: Duchesne, 13. State: Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any): 1,116' FWL

16. No. of acres in lease: 640

17. No. of acres assigned to this well: 640

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.: 2,223

19. Proposed depth: 11,450 MSTC

20. Rotary or cable tools: Rotary

21. Elevations (Show whether DF, RT, GR, etc.): 5,707' Ungraded Ground

22. Approx. date work will start*: 7/15/92

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
30"	20"		150'	Cement to Surface (RM)
13.5"	10.75"	40.5#/ft	2,900'	900 sk g
9.75"	7.625"	29.4/26.7/33.7	11,450'	495 sk H & Lite

This well is to be drilled to total depth using fresh water and fresh gel mud weighted with barite, as required. Operator will use 10" - 5000# psi BOP system and will operationally check system daily. A spacing variance is requested and is further detailed in the cover letter and supporting documents.

TECHNICAL REVIEW
Engr. [illegible] 6-23-92
Geol. [illegible] 6/22/92
Surface [illegible] 6/19/92

RECEIVED
APR 27 1992
DIVISION OF OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
Signed [signature] Title Applied Drilling Services, Inc. Agent for Badger Oil Corp. Date 4/24/92

(This space for Federal or State office use)

Permit No. 43-013-31360 Approval Date

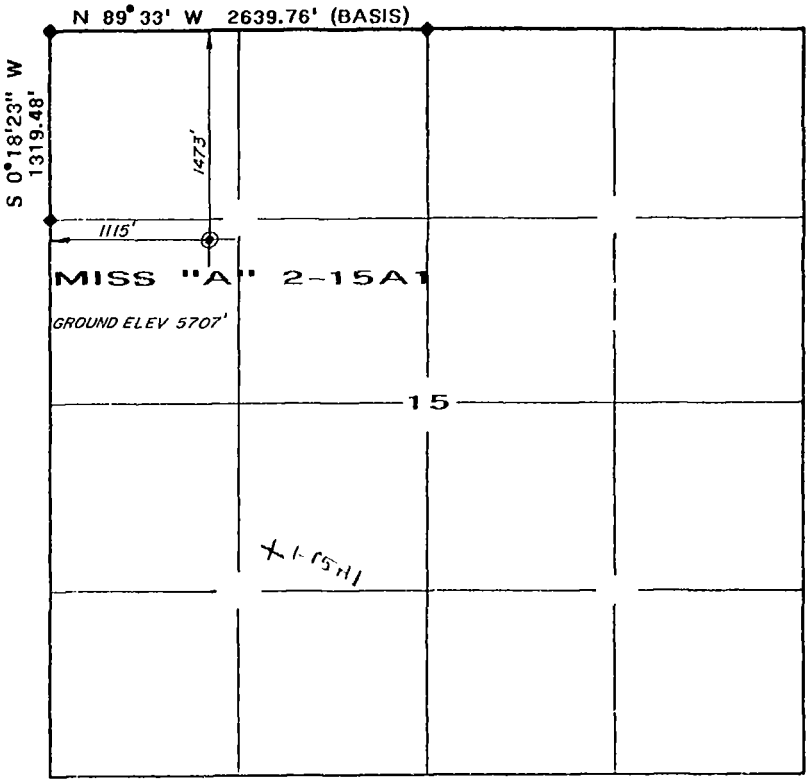
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 6-23-92
BY: [signature]
WELL SPACING: 139-42

Approved by Title
Conditions of approval, if any:

*See Instructions On Reverse Side

BADGER OIL CORP.
WELL LOCATION PLAT
MISS "A" 2-15A1

LOCATED IN THE SW¼ OF THE NW¼ OF SECTION 15, T1S, R1W, U.S.B.&M.



LEGEND & NOTES

◆ Corner monuments found and used by this survey.

The General Land Office (G.L.O.) plat was used for reference and calculations, as was the U.S.G.S. map.

Reference points set as follows using the ground elevation at the well as the base:
North @ 200'; Elev. 5708.1'
South @ 200'; Elev. 5710.3'
East @ 200', Elev. 5697.7'
West @ 200', Elev. 5710.8'

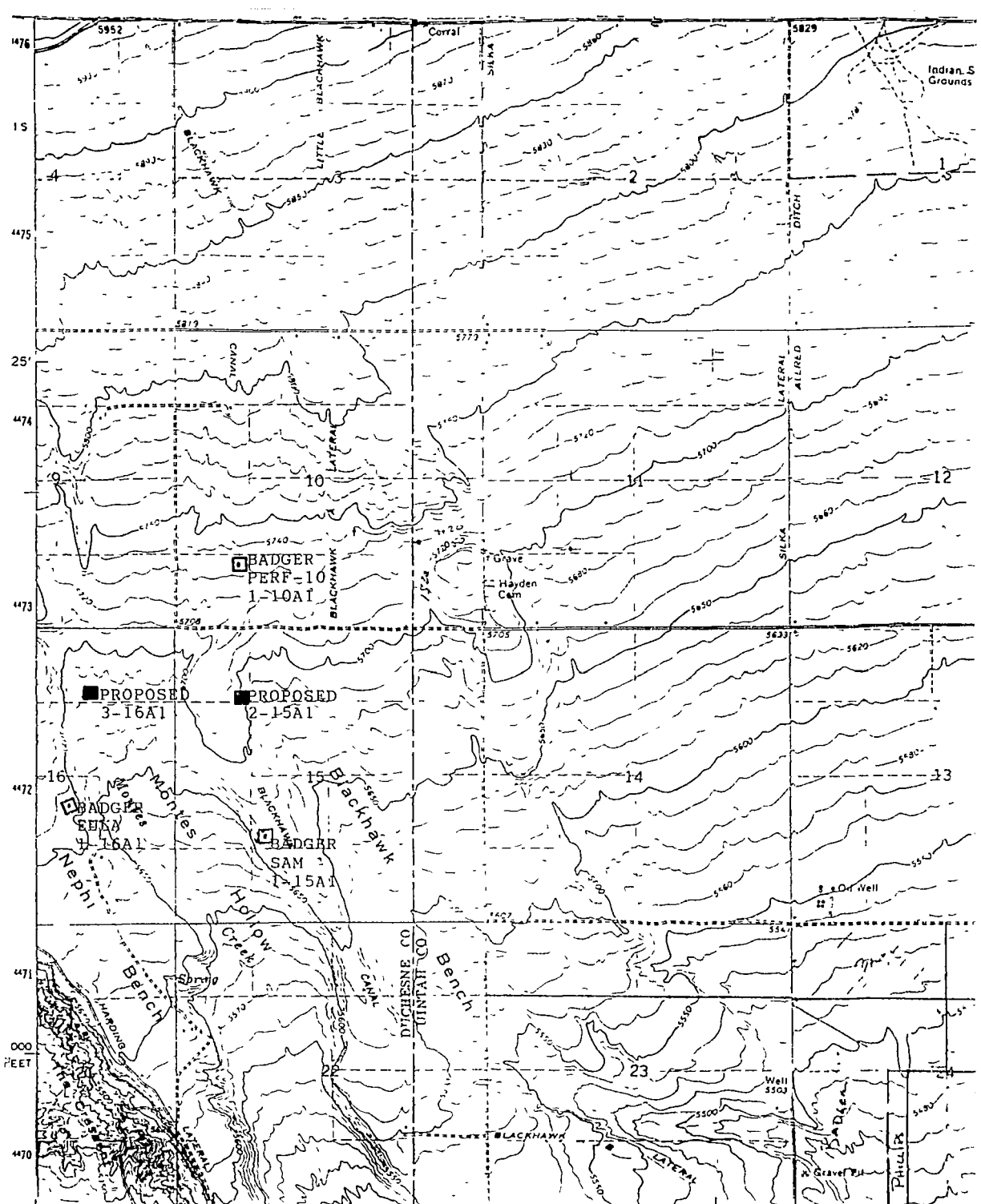
SURVEYOR'S CERTIFICATE

I hereby certify that this plat was prepared from field notes of an actual survey performed by me, during which the shown monuments were found or established

Jerry D Allred, Registered Land Surveyor, Cert No 3817 (Utah)

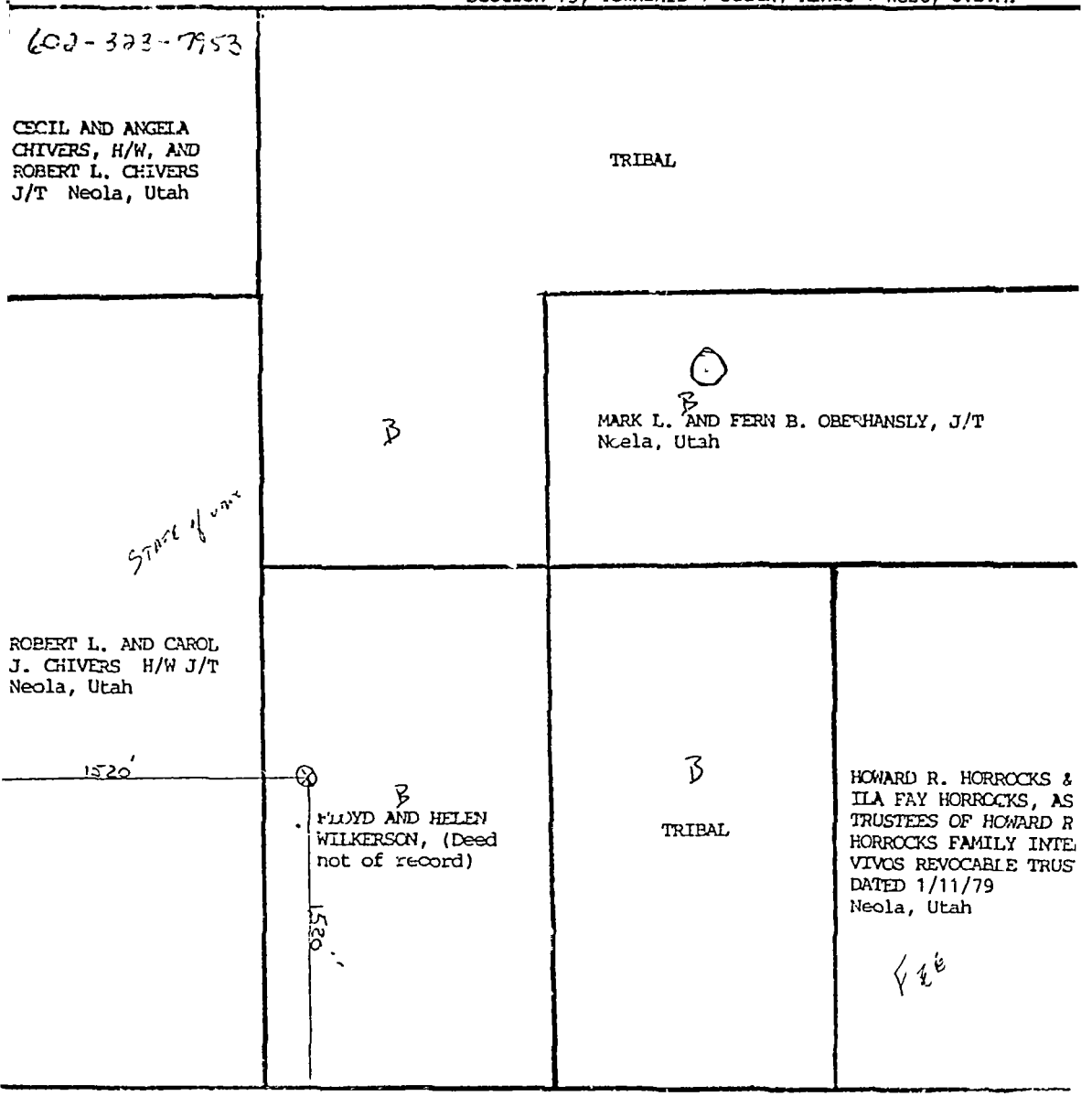
JERRY D ALLRED & ASSOCIATES
Surveying & Engineering Consultants
121 North Center Street
P O Drawer C
DUCHESNE, UTAH 84021
(801) 738-5352

27 Mar '92 83-122-005

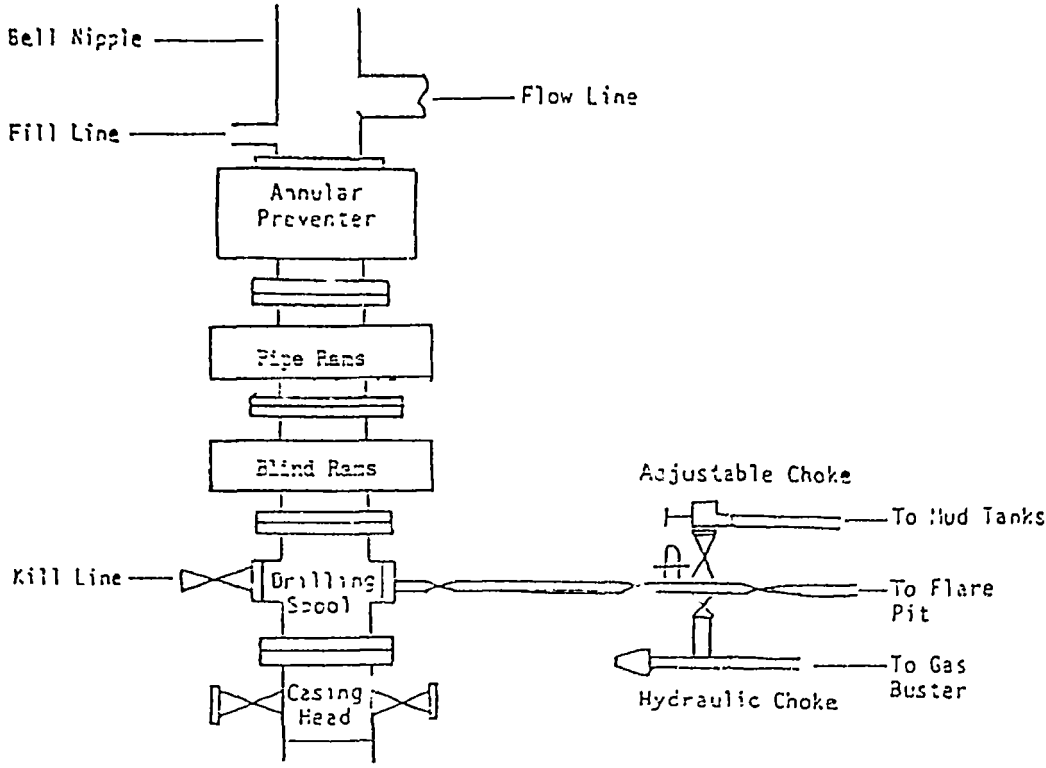


Manned, edited, and published by the Geological Survey

SURFACE REPORT



BLOWOUT PREVENTION EQUIPMENT



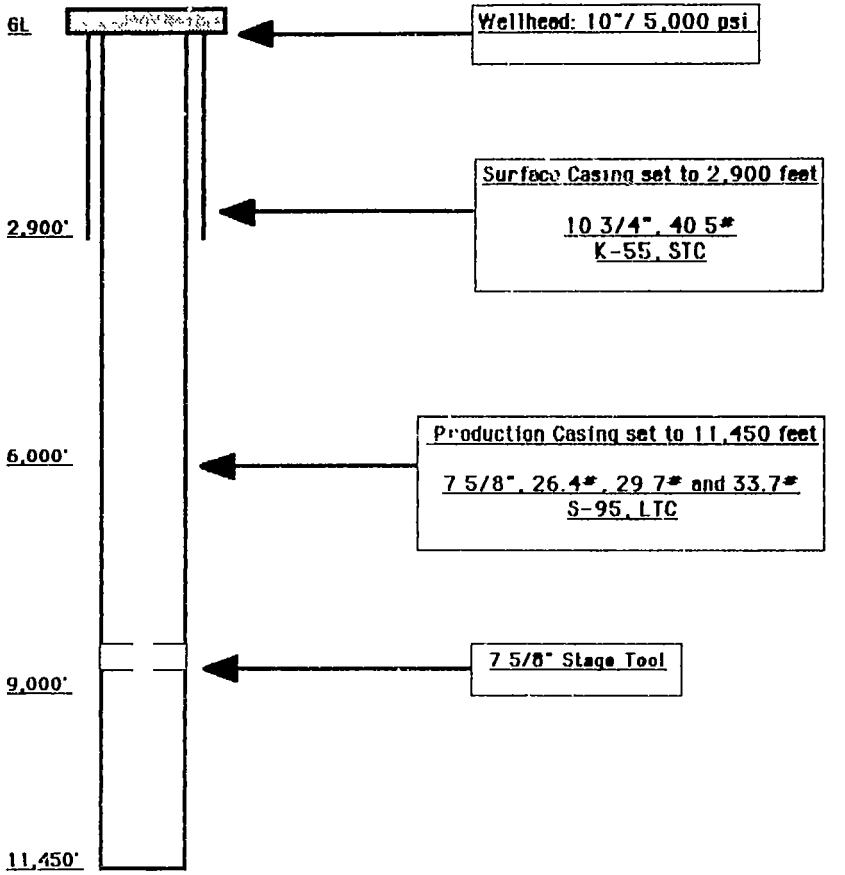
Minimum 3,000 PSI BOPE is to be installed after setting surface pipe. All preventers are to be tested to 1500 PSI prior to drilling out casing shoe.

Minimum 5,000 PSI BOPE is to be installed after setting the long string. The pipe rams and blind rams are to be tested to 5,000 PSI and the annular preventer to 1500 PSI prior to drilling out shoe.

All auxiliary BOPE will be tested to appropriate pressures when BOP's are tested. (Manifold, upper and lower kelly cock, valves and inside BOP).

After drilling the shoe, the casing seat will be pressure tested to an equivalent mud weight of 13.5 ppg.

CASING PROGRAM
Miss "\" 2-15A1
Sec 16, T1S, R1W
Duchesne, Co Utah



Size	#/Ft Weight	Length	Internal Yield	Collapse	Joint Strength	String Weight
10 75	40 5	2,900	3,130	1,580	450,000	117,450
7 625	26 4	5,250	7,150	3,710	560,000	
	29 7	3,200	8,180	5,120	659,000	334,740
	33 7	3,000	9,380	7,260	772,000	

APPLIED DRILLING SERVICES, INC.

OILFIELD CONSULTANTS AND OPERATIONS MANAGEMENT

Route 3 Box 3010
Roosevelt, Utah 84066
801-722-5087

APD
BADGER OIL CORPORATION
Miss "A" 2-15 A1
SEC. 15 - T 1 S - R 1 W
DUSCHESNE CO., UTAH

1. OPERATOR
   Badger Oil Corporation
   PO Box 52745
   Lafayette, La 70505
   318-233-9200

2. OPERATOR'S UTAH AGENT
   Badger Oil Corporation
   c/o Robert Morlan
   Rt #3 Box 3011
   Roosevelt, Utah 84066
   801-722-2142

3 OPERATORS LOCAL CONTACT
   Cary Smith
   Applied Drilling Services
   Rt #3 Box 3010
   Roosevelt, Utah 84066
   801-722-5087

4 OPERATORS BOND
   Continental Casualty Company
   1982 - #7972555

5 LOCATION OF PROPOSED WELL
   Section 15 - Township 1 South - Range 1 West
   1,115' FWL, 1,473' FNL
   DUCHESNE Co, Utah
   SW 1/4 NW 1/4
   Eight miles NE of Roosevelt, Utah

6 PROPOSED OBJECTIVE
11,450' Lower Green River test

7 ELEVATION
5,707 GR

8. MUD PROGRAM
Low Solids Non-Dispersed

9 BOP DESIGN

Size	Series	Number
11"	5000#	Double Ram
11"	5000#	Annular

10 CASING PROGRAM

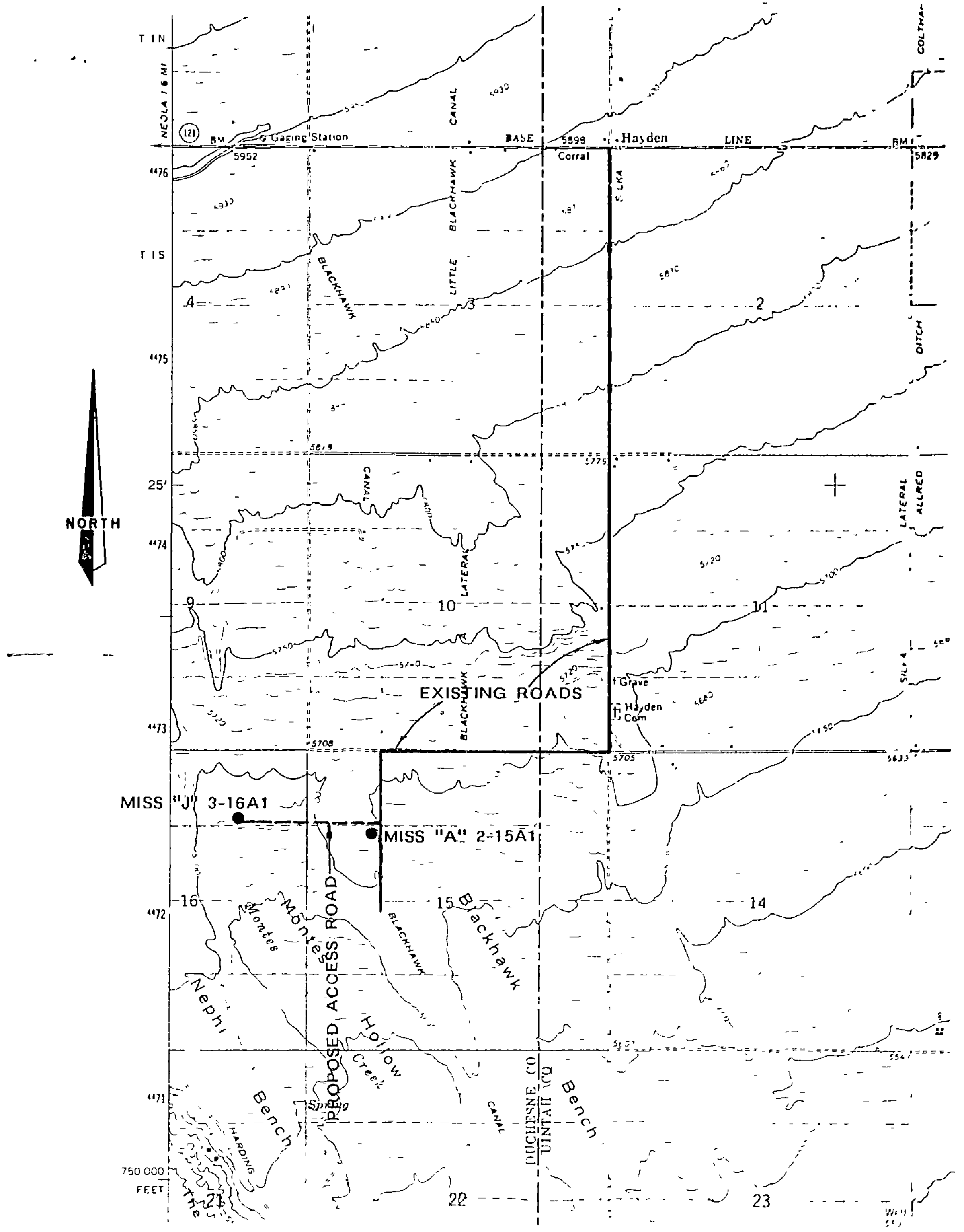
Hole Size	Casing Size	Weight/Ft	Setting Depth	Cement
30 00"	20 000"	60#	150'	RM
13 50"	10 750"	40.5#	2,900'	900 sx G
9 75"	7 625"	26 4#,29.7#,33 7#	11,450'	495 sx Lite and H

11. PROJECTED TOPS
Uintah 2,250'
Green River 6,500'
Wasatch 11,500'

12 SURFACE OWNER
Robert Chivers
Surface damages are being negotiated and will be settled with the landowner prior to spud

13 ELECTRIC LOGS
All logs will be furnished within prescribed time limits
Planned log suite includes DIL, SFL, FDC, CNL, Caliper

14 PROPOSED SPUD DATE
July 15, 1992



NORTH
T 1 N
T 1 S
NEOLA 1.6 MI
121
BM
Gaging Station
5952
BASE
5898
Hayden
LINE
BM
5829
Corral
CANAL
LITTLE BLACKHAWK
BLACKHAWK
SILKA
COLTHA
DITCH
4
3
2
25'
CANAL
LATERAL
LATERAL ALLRED
9
10
11
EXISTING ROADS
Grave
Hayden Cem
5705
MISS "J" 3-16A1
MISS "A" 2-15A1
PROPOSED ACCESS ROAD
16
15
14
Montes
Montes
BLACKHAWK
Blackhawk
Nephi
Hollow
Creek
Bench
Spring
HARDING
The
CANAL
DUCHESNE CO
UINTAH CO
Bench
750 000 FEET
21
22
23
4476
4475
4474
4473
4472
4471

APPLIED DRILLING SERVICES, INC.

OILFIELD CONSULTANTS AND OPERATIONS MANAGEMENT

Rou . . Box 3010
Roosevelt, Utah 84066
801-722-5087

April 24, 1992

Mr Ronald J. Firth
Associate Director Oil & Gas
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr Firth:

Enclosed please find our application to drill the Miss "J" well in Section 16 of T1S, R1W, USM and also the Miss "A" well in Section 15 of T1S, R1W, USM. These wells will be completed in the lower Green River formation

Pursuant to R615-3-3, we are requesting an administrative exception to the applicable Order of the Board in Cause No 139-42 for the location and siting of these wells Specifically, based on geographical and engineering data we have enclosed in support of this request, we are of the opinion that production from the proposed wells will be from a producing formation that is separate and distinct from, and not in communication with the Wasatch formation underlying the units. We are therefore requesting that these wells not be considered as one of the two allowable producing wells in the unit for production from the Wasatch formation under Cause No 139-42

We propose these wells to be designated as Green River Formation wells and the total depth of these wells shall be a point identified by the following

> To that interval which extends for 2,100 feet below the stratigraphic equivalent of the 9,418 foot depth (Tgr 3 marker) in the gama ray log of the Badger 1-15A1 Badger Sam well located in the Northeast 1/4 of the Southwest 1/4 of Section 15, T1S, R1W, Ute Special Meridian

Enclosed with this application is a letter and supporting log correlations from Mr William Zagorski, Manager of Geology for Mark Resources Corporation This represents the position of Badger Oil Corporation and its Partners concerning our request for a variance

Also enclosed is geological data and supporting information from Mr. John C. Osmond, Consulting Geologist

Pursuant to the State APD·

1. Surface damage and access agreements will be obtained from the land owners prior to breaking ground for locations and spudding of these wells.

2 Water use agreements are being negotiated with the Ute Indian Tribe, all proper Temporary Division forms will be filed with the State, prior to spud.

3. All fresh water zones encountered will be repaired as per state regulations

Would you please address all correspondence concerning this matter to this office.

Thank you for your help. Please feel free to call should we need to answer any further questions.

Sincerely,

Cary Smith
Agent for Badger Oil Corporation

CS/vmr

Enclosures

MARK RESOURCES CORPORATION

Penn Center West / Building II, Suite 224 / Pittsburgh, PA 15276
Phone 412-788-1340 / FAX 412-788-1345
Toll Free 1-800 229-1345

April 23, 1992

Mr. Ron Firth
Associate Director Oil & Gas
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Ron:

As Cary Smith and I discussed with you, Badger Oil Corporation and a number of its working interest partners are interested in drilling new wells in Duchesne and Uintah Counties to develop oil from the Lower Green River Formation. The attached location map depicts the area of interest together with available flow test and cumulative production data for the offsetting wells. Presently, there is one producing Wasatch well per section. Under current spacing orders, one additional Wasatch well may be drilled on each 640-acre section. Our present interest is to drill only to the Lower Green River or Green River-Wasatch Transition Zone (est. 11,200 - 11,400 feet) to complete that interval. Our concern is that, under current spacing laws, drilling only to the Transition Zone will prohibit our ability to develop additional Wasatch reserves since the proposed Lower Green River wells will penetrate well below the Tgr3 marker. Under the present spacing order, there is a strong incentive against developing the Green River Formation since it may prohibit further Wasatch drilling. Also, most of the existing Wasatch wells have good behind-pipe potential in the Green River, but economic Wasatch production can be maintained via recompletion for 15 years or more. This is another factor in delaying development of potentially-significant oil reserves from the Green River Formation.

It would be more advantageous from our position to have the ability to drill two Wasatch interval wells per section and two Green River interval wells per section. We feel that the acreage block has significant untapped oil reserves from the Green River Formation and probably will represent extensions of the historic Roosevelt and Bluebell Fields, both productive from the Green River Formation.

I have enclosed two cross sections I prepared for the area which run essentially north-south to west-east. Significant shows include zones at 11,600 feet (Perfect "10" well), 11,270 feet

(Badger Sam H. U. Mungus well), 11,150 feet to 11,180 feet (Fred Basset well), and at 11,050 feet in the Bradley Fee well. We feel that development drilling is merited in the interval between the Tgr3 marker and the deeper pay zones described above and included on the attached cross sections.

I hope the enclosed information is useful in clarifying our concern about Green River development drilling in the Bluebell-Altamont Field. If you need additional information or have any questions, please give me a call at 412-788-1340.

Sincerely,

MARK RESOURCES CORPORATION

William A. Zagorski
Manager of Geology

WAZ/blr

Enclosures

C#2WAZ/FIRTH

JOHN C OSMOND
CONSULTING GEOLOGIST
FIRST INTERSTATE TOWER
621 SEVENTEENTH ST STE 2110
DENVER COLORADO 80293

(303) 292 5259

April 24, 1992

Mr. Cary Smith
Badger Oil Corporation
Route 3, Box 3010
Roosevelt, Utah 84066

RE: Geologic definitions of the two producing zones under Badger leases in T. 1 S., R. 1 W., USM, for inclusion in your APD.

Dear Cary:

As you pointed out, under the Badger leases in T. 1 S., R. 1 W., USM, the stratigraphic interval covered by Utah Board of Oil, Gas and Mining Order 139-42 consists of two separate producing zones. In this letter I refer to these as the "upper producing zone" and the "lower producing zone."

I suggest defining the stratigraphic interval of the "upper producing zone", for the reasons discussed below, as follows: **"That interval which extends for 2,100 feet below the stratigraphic equivalent of the 9,418-foot depth (Tgr3 Marker) in the gamma ray log of the Badger 1-15A1 Badger Sam well located in the northeast 1/4 of the southwest 1/4 of Section 15, T. 1 S., R. 1 W., Ute Special Meridian."**

This definition includes all of the shows in the "upper producing zone" that are recorded on the mud logs of the 6 existing Badger wells. Also, it defines the proposed depths of the subsequent "upper producing zone" wells as the depth calculated by adding 2,100 feet to the depth of the Tgr3 Marker, from the accompanying structure map, and adding the total to the kelly bushing elevations of the wells. Furthermore, it defines the "lower producing zone" as extending from 2,100 feet below the Tgr3 Marker to the base of the Wasatch Formation.

Enclosed are 5 copies of 4 cross sections showing all of the data I have been able to obtain that is pertinent to identifying and defining the "upper producing zone." Three of the cross sections tie the Badger wells, in east-west lines, with wells in adjacent sections to the east and west. One section ties the Badger wells in a north-south line, with wells in adjacent sections to north and south. These cross sections incorporate all of the Badger wells on the lands for which the application applies.

The following discussion summarizes the facts I considered In formulating the definitions of the two producing zones.

In the subject area there are two separate producing zones within the interval addressed by Order 139-42. The shallower zone is known, by the operators, as the "Lower Green River" producing zone although in includes production from rocks within the Upper Wasatch Formation (see operators Top of Wasatch on the cross sections). The deeper producing zone is called, by the operators, the "Wasatch" producing zone. Because these two zones do not correspond exacily to the stratigraphic formations, I have referred to them as the "upper producing zone" and the "lower producing zone," respectively.

The subsurface attitude of the producing zones is controlled by the lithology of the stratigraphic units; and therefore they are approximately parallel to the strata, which dip northwest as shown on the accompanying structure map. Tne ground surface rises northward at an independent rate unrelated to the dip of the beds.

I believe that the best basis for defining the "upper producing zone" is to refer it to the Tgr3 Marker which can be identified on the gamma ray logs of wells throughout a large part of the Altamont-Bluebell field and is used in Order 139-42. There is no similar marker horizon corresponding to the base of the "upper producing zone," but the zone has a relatively uniform thickness (2,100 feet) under the six sections of Badger leases. Therefore, the most easily recognized and most useful definition of the top, bottom and thickness of the "upper producing zone" is made by tying them to the Tgr3 Marker.

Order 139-42 permitted the drilling of up to two wells, producing from the Lower Green River Formation (below the Tgr3 Marker) to the base of the Wasatch Formation, per 640-acre spacing unit. In the area of the Badger leases in T. 1 S., R. 1 W., USM, there are two separate producing zones within the overall Lower Green River Formation and Wasatch Formation interval. The "upper producing zone" includes (1) strata in the Lower Green River Formation (lacustrine beds, some of which, such as the Tgr3 Marker, can be correlated from well to well over large areas); (2) strata in the "transition zone" in which Green River lacustrine rocks are interbedded with Wasatch fluvial and alluvial redbeds; and (3) the upper part of the main body of the Wasatch Formation.

The main body of the Wasatch Formation consists of fluvial and alluvial red shales, siltstone and sandstones. These beds are discontinuous laterally and do not create distinctive curves on gamma ray or other logs that can be correlated between wells. The "upper producing zone" includes reservoirs in the upper part of the main body of the Wasatch Formation

The lower part of the main body of the Wasatch Formation grades downward into the "Lower Lake Beds"/Flagstaff Member of the Wasatch Formation. These strata contain the reservoirs of the "lower producing zone" and beds such as the Neola Three Fingers Limestone which can be correlated between wells over a large area.

The "upper producing zone" has lower reservoir pressure than the "lower producing zone" and typically produces black oil in contrast to dark green oil produced from the "lower producing zone." The non-productive stratigraphic interval between the "upper producing zone" and the "lower producing zone" is 800 feet to 1,000 feet thick in the main body of the Wasatch Formation. There is no communication between the two zones under the Badger leases.

If I can be of further assistance in this matter, please call on me.

Sincerely,

John C. Osmond

File:BADGER2

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.: FEE/FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: 14-20-H62-3860

2. NAME OF OPERATOR: Badger Oil Corporation

8. FARM OR LEASE NAME: Ute Tribal

3. ADDRESS OF OPERATOR: C/O Applied Drilling Services, Inc. Rt. 3 Box 3010 Roosevelt, Utah 84066

9. WELL NO.: 2-15A1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1,473' FNL 1,115' FWL ~~NW¼~~ SW NW¼

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 15, T1S, R1W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[X]	(Other)			[ ]
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Badger Oil Corporation hereby amends its Application for Permit to Drill to the above referenced well. In accordance with the Order in Cause #139-42, this will be the second well drilled in subject Section 15. All documentation previously submitted for this well are incorporated herein by this reference.

RECEIVED
JUN 16 1992
DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Agent DATE 6/12/92

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE 6-23-92

CONDITIONS OF APPROVAL, IF ANY: [signature]

*See Instructions on Reverse Side

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: BADGER OIL CORPORATION WELL NAME: MISS "A" 2-15A1
SECTION: 15 TWP: 1S RNG: 1W LOC: 1473 FNL 1116 FWL
QTR/QTR: NW/NW COUNTY: DUCHESNE FIELD: BLUEBELL
SURFACE OWNER: ROBERT CHIVERS
SPACING: 660 F SECTION LINE 1320 F ANOTHER WELL
GEOLOGIST: BRAD HILL DATE AND TIME: 6/16/92 11:00

PARTICIPANTS: Cary Smith-Badger Oil

REGIONAL SETTING/TOPOGRAPHY: The proposed location is in the central Uinta Basin and is located on a topographically high area on an outwash terrace. The pad will be located on a fairly flat area with a very gentle slope to the NE.

LAND USE:

CURRENT SURFACE USE: Domestic grazing.

PROPOSED SURFACE DISTURBANCE: A square pad will be constructed with dimensions of 400'X 400' including a 200'X 120' reserve pit. An access road approximately .5 miles long will also be constructed.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Pasture grass, Rushes, Russian Olive, Rabbitbrush/Birds, Insects, No cattle at present but there is evidence of recent grazing.

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Sandy-silt with abundant cobbles.

SURFACE FORMATION & CHARACTERISTICS: Quaternary alluvium.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation at present. The location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Uintah-2250', Green River-6500', Wasatch-11,500'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Onsite materials will be used for construccion.

SITE RECLAMATION: As per landowner instructions.

RESERVE PIT

CHARACTERISTICS: A rectangular reserve pit will be constructed with dimensions of approximately 200'X 120'X 8'.

LINING: A synthetic liner of 12 mil minimum thickness will be required for this location.

MUD PROGRAM: Fresh water LSND mud will be used from surface casing to TD.

DRILLING WATER SUPPLY: Water will be obtained from the Blackhawk Lateral.

STIPULATIONS FOR APD APPROVAL
The reserve pit is to be lined with a synthetic liner.

Miss A

Evaluation Ranking Criteria and Ranking Score

Site-Specific Factors	Ranking Score	Final Ranking Score
Distance to Groundwater		(PROB. NEAR SURFACE WATER PRESENT. ABUNT RUSHES)
>200′	0	
100 to 200′	5	
75 to 100′	10	
25 to 75′	15	20
<25′ or recharge area	20	
Distance to surface Water		0
>1000′	0	
300 to 1000′	2	
<300′	5	
Distance to Nearest Municipal Well		0
>5280′	0	
1320 to 5280′	5	
500 to 1320′	10	
<500′	20	
Distance to Other Wells		0
>1320′	0	
300 to 1320′	10	
<300′	20	
Native Soil Type:		20
Low permeability	0	
Mod. permeability	10	
High permeability	20	

Drilling Fluid Air/mist Fresh Water 5000< TDS <10000 TDS > 10000 Oil Based Mud or mud containing hazardous constituents	 0 5 10 15 20	5
Drill Cuttings Normal Rock Salt or detrimental	 0 10	0
Annual Precipitation <10 10 to 20 >20	 0 5 10	5
Affected Populations <100 100 to 300 >3000	 0 10 20	0
Presence of Nearby Utility Conduits Not Present Unknown Present	 0 ~~5~~ 15	0

Final Score	50

LINE PIT

OPERATOR B Hyl Oil Corp N-1715 DATE 6-23-90

WELL NAME Moss "A" #2-15A1

SEC SWNW 15 T 15 R 1W COUNTY Duchesne

43-013-31360
API NUMBER

Fee (4)
TYPE OF LEASE

CHECK OFF

- [ ] PLAT
- [ ] BOND 7970555 in file
- [ ] NEAREST WELL
- [ ] LEASE
- [ ] FIELD 536M
- [ ] POTASH OR OIL SHALE

PROCESSING COMMENTS:

One additional producing well within Sec 15.

Water Permit

Permit to 1990 (Geology review to 1990)

APPROVAL LETTER

SPACING:
- [ ] R615-2-3
- N/A UNIT
- [ ] R515-3-2
- [x]
- 139-42 4-17-85 CAUSE NO & DATE
- [ ] R615-3-3

STIPULATIONS:

Fee Stipulation

Water Permit

3 Reserve pit is to be lined with a synthetic liner of 12 mil minimum thickness.

0219T

Norman H Bangerter
Governor
Dee C Hansen
Executive Director
Dianne R Nielson, Ph D
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center Suite 350
Salt Lake City Utah 84180 1203
801 538 5340

June 23, 1992

Badger Oil Corporation
c/o Applied Drilling Services, Inc
Rt. 3 Box 3010
Roosevelt, Utah 84066

Gentlemen

Re Miss "A" 2-15A1 Well, 1473 feet from the north line, 1115 feet from the west line, SW ~~NW~~ 1/4 NW 1/4, Section 15, Township 1 South, Range 1 West, Duchesne County, Utah

Pursuant to Utah Code Ann § 40-6-6, (1953, as amended) and the order issued by the Board of Oil, Gas and Mining in Cause No 139-42 dated April 17, 1985, approval to drill the referenced well is hereby granted

In addition, the following specific actions are necessary to fully comply with this approval

1 Badger Oil Corporation, as designated operator, is the bonded principal in reference to this Application for Permit to Drill Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal

2 Submittal to the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann § 73-3, Appropriations, prior to commencing drilling operations

3 Reserve pit is to be lined with a synthetic liner of 12 mil minimum thickness.

4 Compliance with the requirements of Utah Admin R 649-1 et seq , Oil and Gas Conservation General Rules

5 Notification within 24 hours after drilling operations commence

6. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change

7. Submittal of the Report of Water Encountered During Drilling, Form 7.

8 Prompt notification prior to commencing operations, if necessary, to plug and abandon the well Notify Frank R Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R J Firth, Associate Director, (Home) (801)571-6068

9. Compliance with the requirements of Utah Admin R. 649-3-20, Gas Flaring or Venting, if the well is completed for production

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date The API number assigned to this well is 43-013-31360

Sincerely,

R J Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc Bureau of Land Management
J.L Thompson
WOI1

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O Leavitt
Governor
Ted Stewart
Executive Director
James W Carter
Division Director

355 West North Temple
3 Triad Center Suite 350
Salt Lake City, Utah 84180 1203
801 538 5340
801 359 3940 (Fax)
801 538 5319 (TDD)

February 14, 1994

Badger Oil Corporation
c/o Applied Drilling Services, Inc.
Rt. 3 Box 3010
Roosevelt, Utah 84066

Re: Application for Permit to Drill
Well No. Miss "A" 2-15A1
SWNW, Sec. 15, T. 1S, R. 1W
Duchesne County, Utah
API No. 43-013-31360

Dear Sirs

Your referenced application submitted for approval was approved January 31, 1990 In accordance with R 649-3-4-4, the Division rescinds its approval of the referenced application

In order to drill this well in the future, a new application will have to be submitted

Yours truly,

Frank Matthews
Petroleum Engineer

cc R J Firth
State Lands and Forestry
Well file